



SATA150

TX2PLUS, TX4

QUICK START GUIDE

Version 1.2

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Step 1: Unpacking Your SATA150 TX Series Card

When you receive the SATA150 TX Series Controller Card, the package should contain the items listed below:

- SATA150 TX2plus Serial/Parallel ATA Controller Card
or SATA150 TX4 Serial ATA Controller Card
- Quick Start Guide
- SATA150 TX Series driver diskette
- One internal Serial ATA hard drive data cable
- One internal Parallel ATA cable (SATA150 TX2plus only)
- CD with drivers SATA150 TX2plus/TX4 User Manual

If ANY of the contents are missing or appear to be damaged, please contact your dealer or distributor immediately.



Warning

Before installing the adapter into an existing system, backup any important or useful data. Failure to follow this accepted PC practice could result in data loss.



Warning

The SATA150 TX Series Controller card, like other parts of your system, is subject to damage by static electricity. Be sure that you're properly grounded (Promise recommends that you wear an anti-static strap or touch a grounded object) and that you unplug your system before installing your SATA150 TX Series Controller card.

Step 2: Installing the SATA150 TX Series Card

The SATA150 TX Series Controller card fits into any available 32-bit PCI slot (must be PCI 2.2 or 2.3 compliant). It also fits the 32-bit portion of a 64-bit PCI slot, on the system's motherboard (see figure below).

1. Remove the cover of your system.
2. Remove the inside slot cover of an available 32-bit PCI slot on the motherboard.
3. Install the SATA150 TX Series Controller card into the open slot (see Figure 1 below). Secure the bracket to the system's frame.
4. Attach your system case's 2- or 4-pin LED cable to the LED connector on the SATA150 TX Series Controller card (see Figures 2 and 3, below). Make sure that pin 1 on the connector is aligned with pin 1 of the cable.
5. Fasten the controller card bracket to the system case (see below).

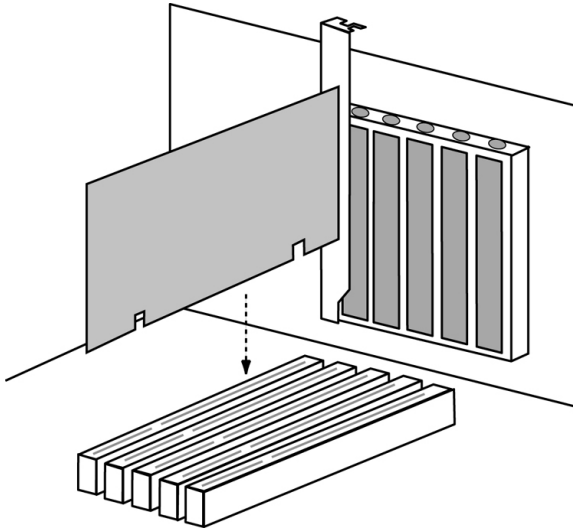


Figure 1. Insert the SATA150 TX Series card into an open PCI slot.

Step 3: Installing the Hard Drives



Important

If you wish to include your current bootable Serial or Parallel ATA drive using the Windows NT4.x, Windows 2000, or Windows XP operating system on your SATA150 TX Series Controller card, do NOT connect the hard drive to the card yet.

You MUST install the Windows NT4, 2000, or XP driver software first onto this drive while it is still attached to your existing hard drive controller.

SATA150 TX2plus

The SATA150 TX2plus Controller card supports up to two Serial ATA hard drives and two Parallel ATA hard drives.

1. Configure the jumpers of the Parallel ATA hard drive you're preparing to connect to the SATA150 TX2plus card using the proper Master, Slave, or Cable-Select settings. For more information, refer to the manual that came with your hard drive.
2. Install all of the hard drives into the hard drive bays of your system, including their power cables.
3. Attach the Parallel ATA cable to the hard drive(s) and to the Parallel ATA Port connector on the SATA150 TX2plus controller card. The colored edge of the cable indicates pin 1 (see Figure 2 below). The blue cable connector attaches to the SATA150 TX2plus card.

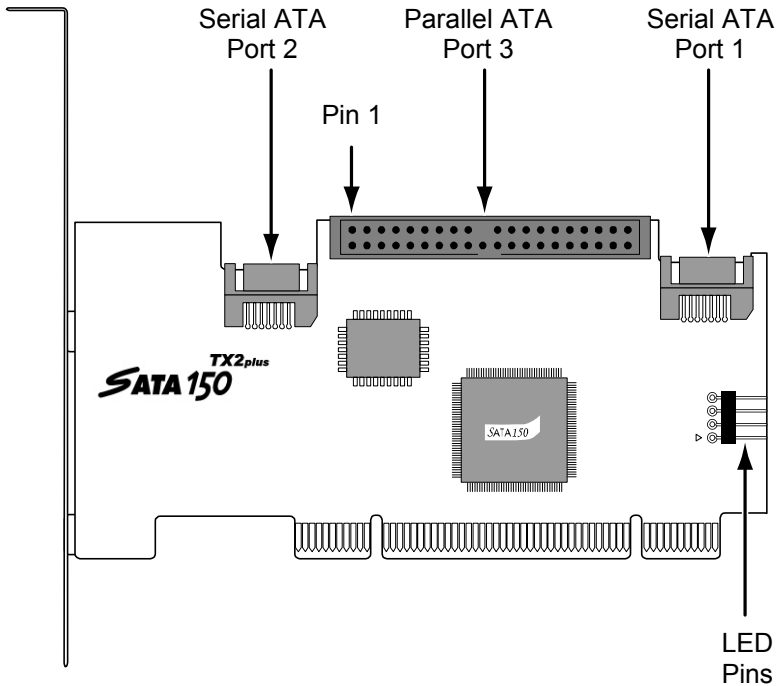


Figure 2. SATA150 TX2plus Controller card.

4. Attach one *Serial ATA* data cable to each hard drive. Then attach the other ends of the cables to one of the Serial ATA ports on the SATA150 TX2plus card. All of the connectors are keyed so they will only attach one way.



Note

The SATA150 TX2plus Controller card is a PCI Plug-n-Play (PnP) device. No changes are necessary in the Motherboard CMOS Setup for resources or drive types in most applications.

SATA150 TX4

The SATA150 TX4 Controller card supports up to four Serial ATA hard drives.

1. Install all of the hard drives into the hard drive bays of your system, including their power cables.
2. Attach one Serial ATA data cable to each hard drive. Then attach the other ends of the cables to one of the Serial ATA ports on the SATA150 TX4 card. All of the connectors are keyed so they will only attach one way.

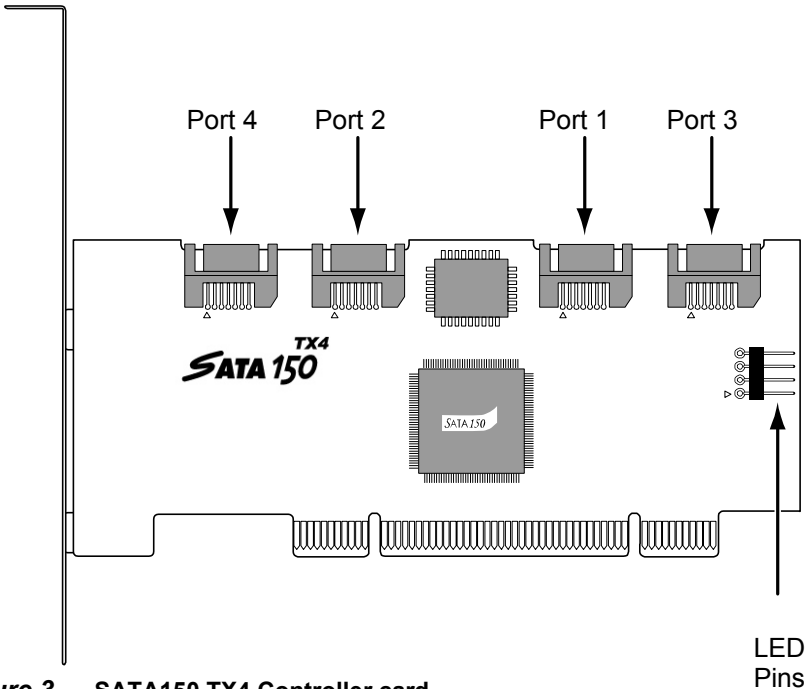


Figure 3. SATA150 TX4 Controller card.



Note

The SATA150 TX4 Controller card is a PCI Plug-n-Play (PnP) device. No changes are necessary in the Motherboard CMOS Setup for resources or drive types in most applications.

Step 4: Installing Software Drivers

Following are driver installation procedures for the Windows operating systems that support the Promise SATA150 TX Series Controller. The SATA150 software drivers for Windows are included on the driver diskette.

Drivers and installation instructions for Linux and Novell operating systems are downloadable from the Promise website at www.promise.com.



Important

If you wish to include your current bootable ATA drive using the Windows NT4.x, Windows 2000, or Windows XP operating system on your SATA150 TX Series Controller card, you **MUST** install the Windows NT4, 2000, or XP driver software first onto this drive while it is still attached to your existing hard drive controller.

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New Windows XP Installation

The following details the installation of the SATA150 TX Series drivers while installing Windows XP.

1. Start the installation:
 - Floppy Install: Boot the computer with the Windows XP installation diskettes.
 - CD-ROM Install: Boot from the CD-ROM. Press F6 when the message "Press F6 if you need to install third party SCSI or RAID driver" appears.
2. When the Windows XP Setup window is generated, press S to specify an Additional Device(s).
3. Insert the SATA150 TX Series driver diskette into drive A: and press Enter.
4. Choose *WinXP Promise SATA150 TX Series Controller* from the list that appears on screen, and then press the Enter.
5. Press S to use the driver on the floppy disk and then press Enter to continue with installation.
6. The Windows XP Setup screen will appear again saying "Setup will load support for the following mass storage devices:" The list will include *WinXP Promise FastTrak SATA150 TX Series Controller*.

NOTE: If there are any additional devices to be installed, specify them now. When all devices are specified, continue to the next step.
7. From the Windows XP Setup screen, press the Enter. Setup will now load all device files and then continue the Windows XP installation.

Existing Windows XP Installation

After installing the SATA150 TX Series card and rebooting your system, Windows XP setup will show a “Found New Hardware” dialog box. Under Windows XP, “RAID Controller” will be displayed.

1. Insert the SATA150 TX Series driver diskette into the A:\ drive.
2. Choose *Install the software automatically* and press the Enter key.
3. Choose *WinXP Promise SATA150 TX Series Controller* from the list that appears on screen, and then press the Enter key.
4. If using a driver that has not been digitally signed by Microsoft, you will be asked if you want to continue the installation. Click Continue.
5. When the New Hardware Wizard has finished installing the SATA150 TX Series software, click Finish.

Confirming Windows XP Driver Installation

1. Right-click the My Computer icon and select Manage from the popup menu.
2. Click Device Manager in the menu tree.
3. Click the “+” in front of SCSI controllers. *WinXP Promise SATA150 TX Series Controller* should appear.

New Windows 2000 Installation

The following details the installation of the SATA150 TX Series drivers while installing Windows 2000.

1. Start the installation:
 - Floppy Install: Boot the computer with the Windows 2000 installation diskettes.
 - CD-ROM Install: Boot from the CD-ROM. Press F6 when the message "Press F6 if you need to install third party SCSI or RAID driver" appears.
2. When the Windows 2000 Setup window is generated, press S to specify an Additional Device(s).
3. Insert the SATA150 TX Series driver diskette into drive A: and press Enter.
4. Choose *Win2000 Promise SATA150 TX Series Controller* from the list that appears on screen then press Enter.
5. The Windows 2000 Setup screen will appear again saying "Setup will load support for the following mass storage devices:" The list will include *Win2000 Promise SATA150 TX Series Controller*.

NOTE: If there are any additional devices to be installed, specify them now. When all devices are specified, continue to the next step.
6. From the Windows 2000 Setup screen, press Enter. Setup will now load all device files and then continue the Windows 2000 installation.

Existing Windows 2000

After installing the SATA150 TX Series card and rebooting your system, Windows 2000 setup will show a "New Hardware Found" dialog box. Under Windows 2000, "RAID Controller" will be displayed.

1. Insert the SATA150 TX Series driver diskette in drive A:\.
2. Choose *Search for a suitable driver for my device (Recommended)* from the list, then click Next.
3. Choose *Floppy disk drives* from the list, then click Next. The Hardware Wizard will search the diskette for updates and return the following message:
"Windows found a driver for this device. **A:\Win2000\fasttx2k.inf**. To install the driver Windows found, click Next."
4. Click Next. The Found New Hardware Wizard appears when the installation is complete.
5. Remove the diskette and click Finish to restart the system. Windows 2000 will then restart for the driver installation to take effect.

Confirming Windows 2000 Driver Installation

1. Right-click the My Computer icon and select from the popup menu.
2. Click Device Manager in the menu tree.
3. Click the "+" in front of SCSI controllers. *Win2000 Promise SATA150 TX Series Controller* should appear.

New Windows ME Installation

The following details the installation of the SATA150 TX Series drivers while installing Windows ME.

1. Install the SATA150 TX Series controller card into your system.
2. Install Windows ME fully.
3. After installation, right-click on My Computer and select Properties from the popup menu.
4. In the System window, choose the Device Manager tab.
5. In the hierarchical display under Other Devices is a listing for PCI RAID Controller. Click PCI RAID Controller then click the Properties button.
6. In the Properties window, choose the Driver tab then choose Update Driver and click Next.
7. Choose *Search for a better driver than the one your device is using now (recommended)* then click Next.
8. Choose Specify Location then type **A:\WIN98-ME** in the text box.
9. Insert the SATA150 TX Series driver diskette into the A: drive.
10. Click the Next button. A message informing you that *Win98-ME Promise SATA150 TX Series Controller* should appear.
11. Click Next, then click Finish.
12. When asked if you want to restart your computer, click Yes. Immediately remove the diskette from drive A:.

Existing Windows ME Installation

The following section details the installation of SATA150 TX Series drivers on a system that has Windows ME already installed and running.

1. After installing the SATA150 TX Series controller card and configuring the hard drives, power up the system and boot.
2. The Add New Hardware Wizard will appear, informing you that it has found a PCI Mass Storage Controller.
3. Click Next, then from the generated list box, choose *Specify the location of the driver (Advanced)*.
4. Click Next, then from the generated choices, choose *Specify a location*.
5. Insert the SATA150 TX Series driver diskette in drive A:.
6. Type **A:\WIN98-ME** in the text box that appears.
7. Click Next. A message informing you that Windows Me has found *Win98-ME Promise SATA150 TX Series Controller* should appear.
8. Click Next, then click Finish. When asked if you want to restart your computer, click Yes. Immediately remove the diskette from drive A:.

Confirming Driver Installation in Windows ME

To confirm that the driver has been properly loaded in Me, perform the following steps:

1. Right-click the My Computer icon and select Properties from the popup menu.
2. Select the Device Manager tab.
3. Click the "+" in front of SCSI & RAID controllers. *Win98-ME Promise SATA150 TX Series Controller* should appear.

New Windows NT4.x Installation

The following details the installation of the SATA150 TX Series drivers while installing Windows NT4.x.

1. Start the system installation by booting from the Windows NT disk:
 - Floppy install: boot the system with the Windows NT installation diskettes.
 - CD-ROM disk install: boot from the CD-ROM disk and press F6 when the message "Setup is inspecting your computer's hardware configuration..." appears.
2. When the Windows NT Setup window is generated, press S to Specify an Additional Device(s).
3. Press O to select *Other* then press Enter.
4. Insert the SATA150 TX Series driver diskette into drive A: and press Enter.
5. Choose *WinNT Promise SATA150 TX Series Controller* from the list that appears on screen then press Enter.
6. The Windows NT Setup screen will appear again saying "Setup will load support for the following mass storage devices:" The list will include *WinNT Promise SATA150 TX Series Controller*.

NOTE: If there are any additional devices to be installed, specify them now. When all devices are specified, continue to the next step.

7. From the Windows NT Setup screen, press Enter. Setup will now load all device files and then continue the Windows NT installation.
8. After a successful installation, the SCSI Adapter Setup box will show that the *WinNT Promise SATA150 TX Series Controller* driver has been installed.

Existing Windows NT4.x Installation

The following section details the installation of SATA150 TX Series drivers on a system that has Windows NT4.x already installed and running.

NOTE: Do not attach the boot drive or any other hard drive to the SATA150 TX Series controller card before completing this step.

1. From the Start menu, choose Settings.
2. From the Settings menu, choose Control Panel.
3. Double-click the SCSI Adapters icon. The SCSI Adapters dialog box appears.
4. Choose Drivers then click Add.
5. In the Install Drivers dialog box, click Have Disk...
6. When Install From Disk appears, insert the SATA150 TX Series driver diskette in drive A:.
7. Type **A:\NT4** in the text box window then click OK.
8. When the Install Driver dialog box appears, select *WinNT Promise SATA150 TX Series Controller* then click OK.
9. When the Select SCSI Adapter Option dialog box appears, click Install.
10. After a successful installation, the SCSI Adapter Setup box will show that the *WinNT Promise SATA150 TX Series Controller* has been installed.
11. Power off your system.
12. If you plan to move the boot drive to the FastTrak card, connect the boot drive to the FastTrak card now. Power on your system.

Removing the Driver from Windows NT4.x

1. From Start, choose Setup then choose Control Panel.
2. In Control Panel, choose SCSI Adapter then choose Drivers.
3. Click the Remove button.
4. After successful removal, the SCSI Adapter Setup box will show that *WinNT Promise SATA150 TX Series Controller* has been removed.

New Windows 98 Installation

The following section details the installation of the SATA150 TX Series drivers while installing Windows 98.

1. Install the SATA150 TX Series controller card and configure the hard drive(s), partition and format your hard drive(s), if necessary.
2. Install Windows 98 normally.
3. After installation, go the Start menu and choose Settings.
4. From the Settings menu, choose Control Panel.
5. In the Control Panel window, double-click the System icon.
6. In the System window, choose the Device Manager tab.
7. In the hierarchical display under Other Device is a listing for PCI RAID Controller. Select it then click the Properties button.
8. Choose the Driver tab in the Properties window, choose Update Driver then click Next.
9. Choose Search for a better driver than the one your device is using now (recommended), then click Next.
10. Choose Specify Location then type **A:\WIN98** in the text box.
11. Insert the SATA150 TX Series driver diskette into the A: drive.
12. Click the Next button. A message informing you that "Windows 98 has found Win98 Promise SATA150 TX Series Controller" should appear.
13. Click Next, then Finish.
14. When asked if you want to restart your computer, click Yes. Immediately remove the diskette from drive A:.

Existing Windows 98 Installation

The following section details the installation of SATA150 TX Series drivers on a system that has Windows 98 already installed and running.

1. After installing the SATA150 TX Series controller card and configuring the hard drives, power up the system and boot Windows.
2. The “Add New Hardware Wizard” will appear, informing you that it has found a “PCI Mass Storage Controller.”
3. Click Next. From the generated list box, choose *Search for best driver for your device (Recommended)*.
4. Insert the SATA150 TX Series driver diskette in drive A:.
5. Click Next. From the generated choices, choose *Specify a location*.
6. Type **A:\WIN98** in the text box that appears.
7. Click Next. A message informing you that Windows has found “Win98 Promise SATA150 TX Series Controller” should appear.
8. Click Next, then click Finish.
9. Click Yes when asked if you want to restart your computer. Be sure to eject the diskette from drive A:.

Confirming Driver Installation in Windows 98

To confirm that the driver has been properly loaded in Windows 98, perform the following steps:

1. Choose *Settings* from the Start menu.
2. Choose *Control Panel*, then double-click the System icon.
3. Choose the *Device Manager* tab, then click the “+” in front of SCSI controllers. *Win98 Promise SATA150 TX Series Controller* should appear.